

CLAIMS:

1. A method for patterning a ferroelectric polymer or oligomer layer comprising the steps of :
 - providing a ferroelectric polymer or oligomer composition having a crosslinking agent,
 - 5 - applying the ferroelectric polymer or oligomer composition to a substrate to form a ferroelectric polymer or oligomer layer on the substrate,
 - selectively crosslinking a part of said ferroelectric polymer or oligomer layer, and
 - removing uncrosslinked parts of said ferroelectric polymer or oligomer layer.
- 10 2. A method according to claim 1, wherein the ferroelectric polymer or oligomer is a main chain polymer, a block copolymer or a side chain polymer.
3. A method according to claim 1, wherein the ferroelectric polymer or oligomer
15 layer comprises an at least partly fluorinated material.
4. A method according to claim 3, wherein the at least partly fluorinated polymer or oligomer material is selected from: $(\text{CH}_2\text{-CF}_2)_n$, $(\text{CHF-CF}_2)_n$, $(\text{CF}_2\text{-CF}_2)_n$ or combinations thereof to form (random) copolymers such as for example: $(\text{CH}_2\text{-CF}_2)_n\text{-(CHF-CF}_2)_m$ or $(\text{CH}_2\text{-CF}_2)_n\text{-(CF}_2\text{-CF}_2)_m$.
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5. A method according to claim 1, wherein said crosslinking agent leads to an electron deficient intermediate.
- 25 6. A method according to claim 5, wherein said electron deficient intermediate is a radical, a carbene or a nitrene intermediate.
7. A method according to claim 5, wherein the crosslinking agent is a bisazide.

8. A method according to claim 1, wherein the spincoating solution furthermore comprises an organic solvent.
9. A method according to claim 8, wherein the organic solvent is 2-butanone.
- 5 10. An electronic device comprising a patterned crosslinked ferroelectric layer.
11. The electronic device according to claim 10, wherein the electronic device is a capacitor.
- 10 12. The electronic device according to claim 10, wherein the electronic device is a memory element.
13. The electronic device according to claim 10, wherein the crosslinked
- 15 ferroelectric layer is a radiation crosslinked, chemically crosslinked or heat activated crosslinked layer.